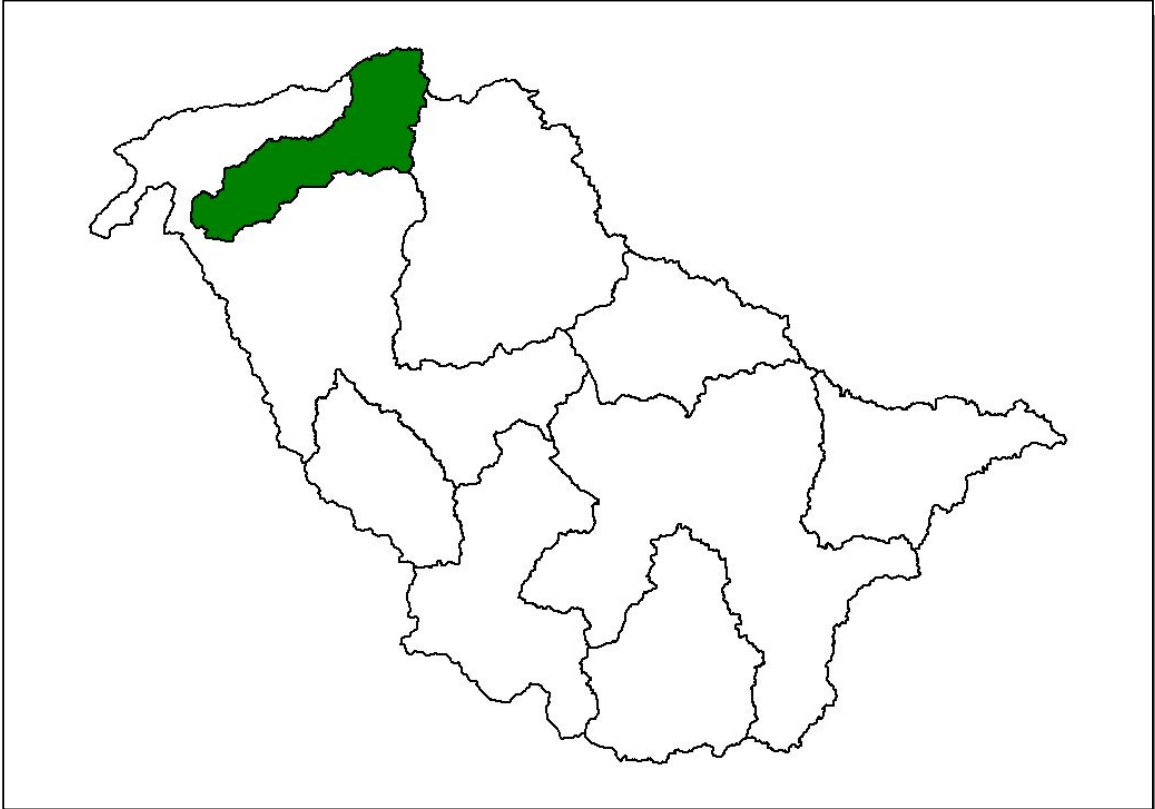
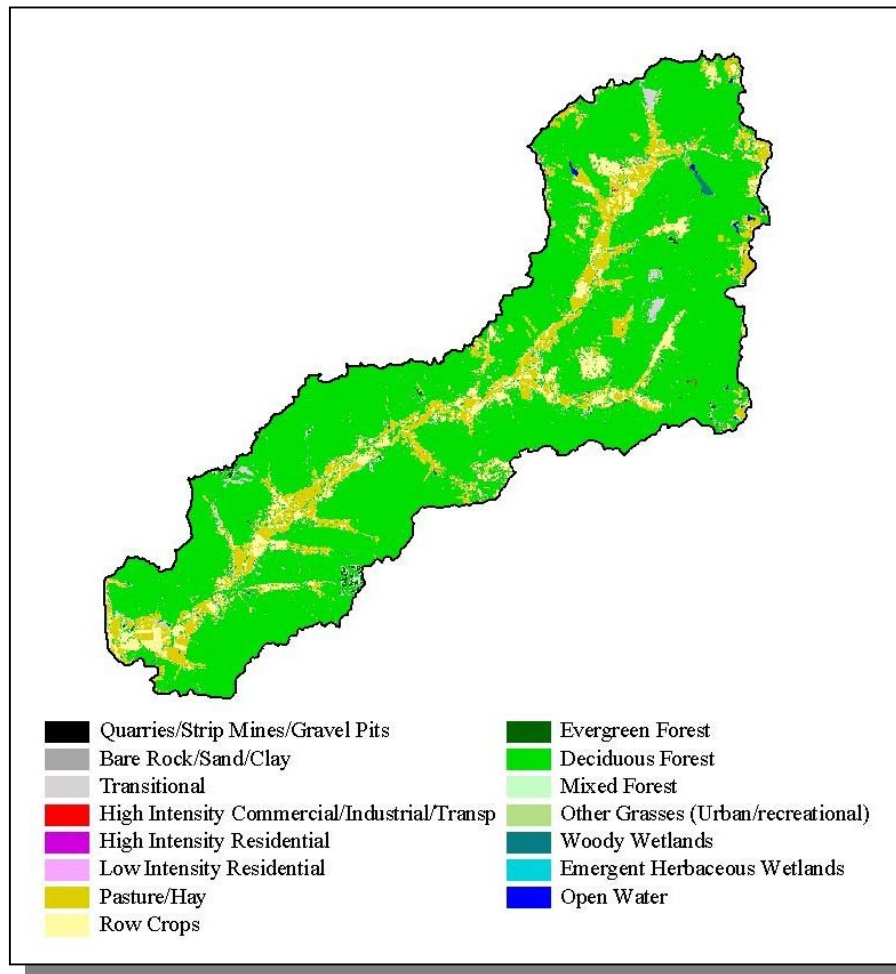


**4.2.1. 0604000309 (Hurricane Creek).**

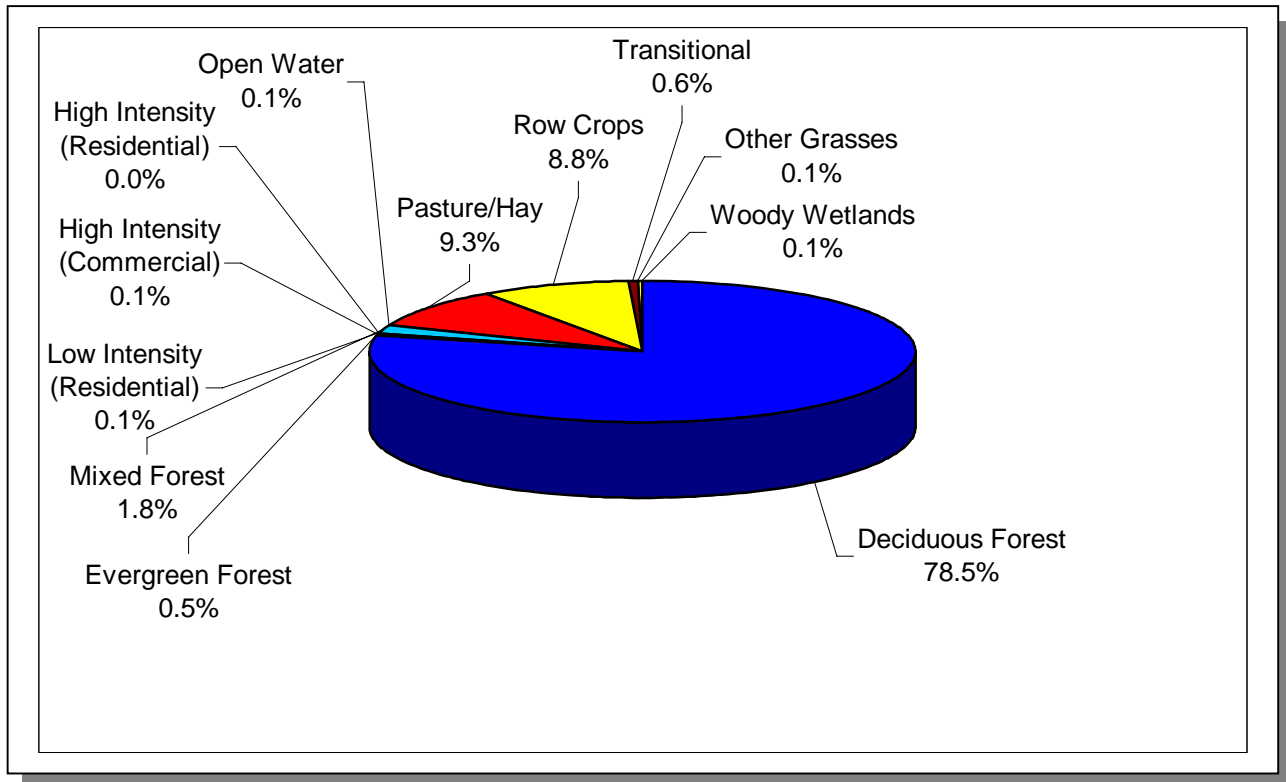


**Figure 4-87. Location of Subwatershed 0604000309.** All Lower Duck HUC-10 subwatershed boundaries are shown for reference.

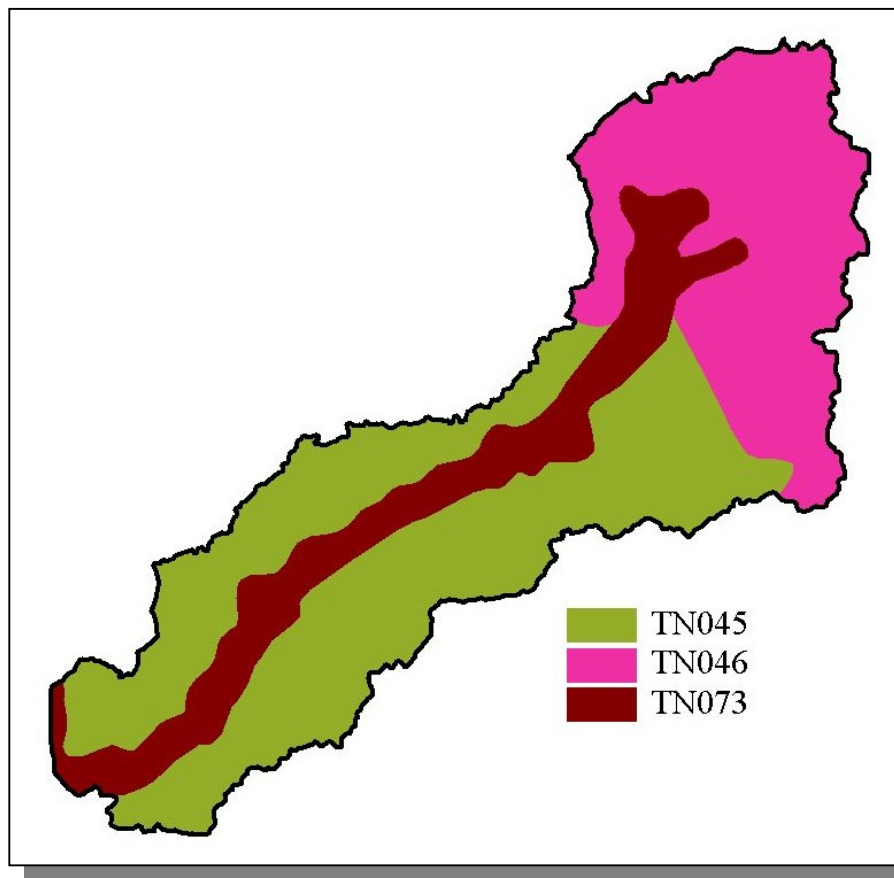
4.2.I.i. General Description.



**Figure 4-88. Illustration of Land Use Distribution in Subwatershed 0604000309.**



**Figure 4-89. Land Use Distribution in Subwatershed 0604000309.** More information is provided in Appendix IV.



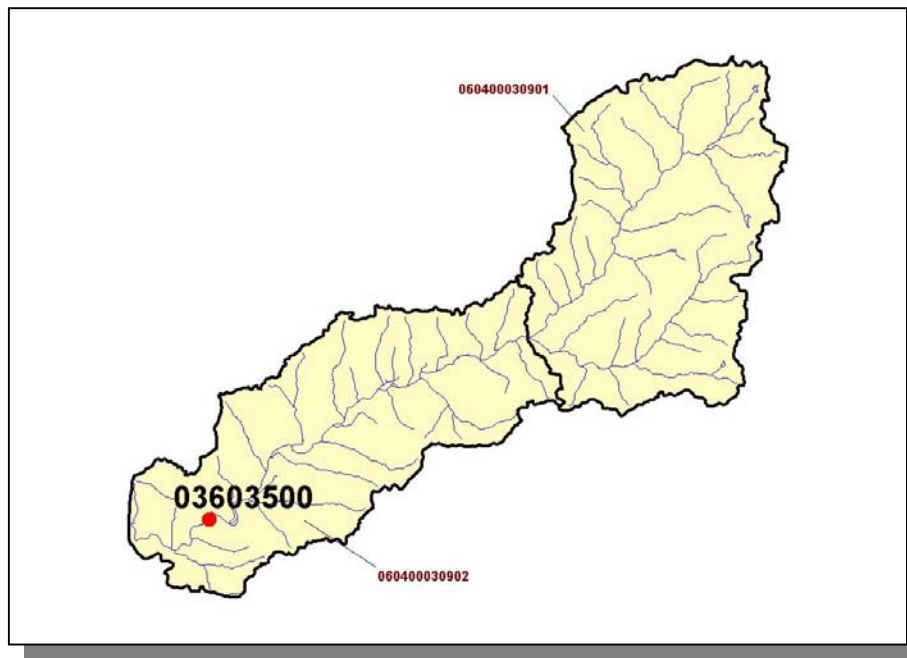
**Figure 4-90. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000309.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hr)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN045	0.00	B	1.95	5.45	Loam	0.35
TN046	0.00	B	1.98	5.09	Silty Loam	0.38
TN073	0.00	B	2.97	5.21	Loam	0.34

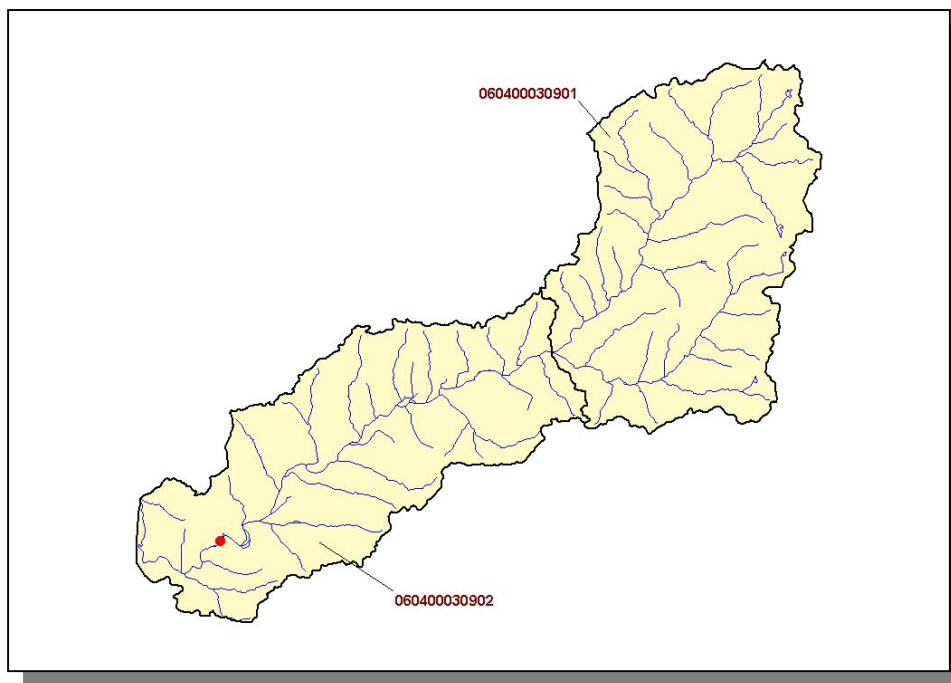
**Table 4-49. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000309.** More information is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-1997)
	1990	1997	2000		1990	1997	2000	
Dickson	35,061	40,937	43,156	0.55	193	225	237	22.8
Humphreys	15,795	16,839	17,929	14.1	2,227	2,374	2,528	13.5
<b>Totals</b>	<b>50,856</b>	<b>57,776</b>	<b>61,085</b>		<b>2,420</b>	<b>2,599</b>	<b>2,765</b>	<b>14.3</b>

*Table 4-50. Population Estimates in Subwatershed 0604000309.*

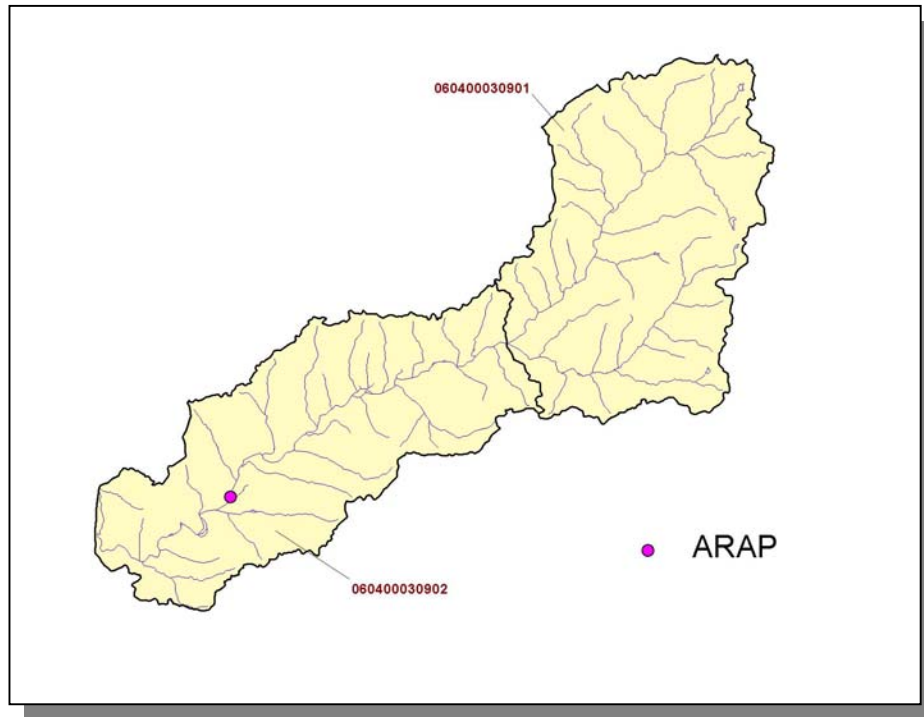


**Figure 4-91. Location of Historical Streamflow Data Collection Sites in Subwatershed 0604000309.** Subwatershed 060400030901 and 060400030902 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.



**Figure 4-92. Location of STORET Monitoring Sites in Subwatershed 0604000309.** Subwatershed 060400030901 and 060400030902 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

**4.2.I.ii.** Point Source Contributions.



**Figure 4-93. Location of Active Point Source Facilities in Subwatershed 0604000309.** Subwatershed 060400030901 and 060400030902 boundaries are shown for reference. More information is provided in Appendix IV.



**Figure 4-94. Location of ARAP Sites (Individual Permits) in Subwatershed 0604000309.** Subwatershed 060400030901 and 060400030902 boundaries are shown for reference. More information is provided in Appendix IV.



**4.2.I.iii.** Nonpoint Source Contributions.

<b>LIVESTOCK (COUNTS)</b>						
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens (Broilers Sold)	Hogs	Sheep
1,370	3,145	51	5	<5	171	<5

**Table 4-51. Summary of Livestock Count Estimates in Subwatershed 0604000309.**  
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dickson	174.3	174.3	1.8	7.7
Humphreys	241.2	241.2	3.7	14.4
<b>Totals</b>	<b>415.5</b>	<b>415.5</b>	<b>5.5</b>	<b>23.1</b>

**Table 4-52. Forest Acreage and Average Removal Rates (1987-1994) in Subwatershed 0604000309.**

<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Legume (Pastureland)	
Grass (Pastureland)	1.34
Grass (Hayland)	0.25
Legumes (Hayland)	2.01
Legumes, Grass (Hayland)	0.08
Grass, Forbs, Legumes (Mixed Pasture)	1.30
Forest Land (Not Grazed)	0.00
Forest Land (Grazed)	0.00
Corn (Row Crops)	24.68
Sorghum (Row Crops)	5.80
Soybeans (Row Crops)	23.49
Other Vegetable and Truck Crop	7.71
Conservation Reserve Program Lands	0.10
Non-Agricultural Land Use	0.00
Other Land in Farms	0.03
Farmsteads and Ranch Headquarters	0.63

**Table 4-53. Annual Estimated Total Soil Loss in Subwatershed 0604000309.**